

Amendments to the Claims

1 – 10. (Cancelled).

11. (New) A pluggable module for a telecommunications network interface card, the module comprising:

a first side configured to be received by a Small Form Pluggable (SFP) optical receptacle disposed on the telecommunications network interface card; and
an electrical connector configured to electrically connect the pluggable module to a telecommunications network unit at a predefined electrical interface rate.

12. (New) The pluggable module of claim 11 wherein the predefined electrical interface rate comprises at least one of a SONET interface rate, a PDH interface rate, and an SDH interface rate.

13. (New) The pluggable module of claim 12 wherein the predefined electrical interface rate comprises an SDH STM-n electrical rate.

14. (New) A pluggable module for a telecommunications network interface card, the module comprising:

an interface compatible with a Small Form Pluggable (SFP) optical receptacle; and
an electrical interface configured to electrically connect the pluggable module to a telecommunications network unit at a predefined electrical interface rate.

15. (New) The pluggable module of claim 14 wherein the interface comprises a first amplifier configured to amplify electrical signals transmitted to the SFP receptacle and a second amplifier configured to amplify electrical signals received from the SFP receptacle.

16. (New) The pluggable module of claim 15 wherein the electrical interface comprises a driver configured to transmit electrical signals to the telecommunications network unit, and an equalizer configured to receive electrical signals from the telecommunications network unit.

17. (New) The pluggable module of claim 16 further comprising an encoder to encode the electrical signals being received by the second amplifier into the electrical signals being transmitted by the driver, and a decoder to decode the electrical signals received by the equalizer into the electrical signals being transmitted by the first amplifier.

18. (New) The pluggable module of claim 16 wherein the equalizer is further configured to interface with the SFP receptacle.

19. (New) The pluggable module of claim 16 further comprising memory configured to interface with the SFP receptacle.

20. (New) The pluggable module of claim 14 further comprising one or more connectors molded into a block of plastic.

21. (New) The pluggable module of claim 20 further comprising a printed circuit board including one or more contacts molded in the block of plastic, the one or more contacts being configured to interface the pluggable module with the telecommunications network interface card.

22. (New) The pluggable module of claim 14 wherein the module is configured to interface with the telecommunications network interface card at least one of a SONET rate, an SDH rate, and a PDH rate.

23. (New) The pluggable module of claim 22 wherein the module is configured to interface with the telecommunications network interface card at an SDH STM-n rate.